

Docket No.: PF-0544 USNCertificate of Mailing

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By:

Printed: Katherine Stofer**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Bandman et al.

Title: HUMAN OXIDOREDUCTASE PROTEINS

Serial No.: 09/719,601

Filing Date:

February 19, 2002

Examiner: To Be Assigned

Group Art Unit:

1645

Box Non-Fee Amendment

Commissioner for Patents

Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicants wish to call to the attention of the Examiner the enclosed "List of References Cited by Applicants." The right is reserved to antedate any item in accordance with standard procedure.

Citation of the documents is not to be construed as an admission that the documents are necessarily prior art with respect to the instant invention. This submission is understood to complement the results of the Examiner's own independent search. Citation of the documents shall not be construed as a representation that a search has been made or that the cited items are inclusive of all the relevant and material citations that may be available publicly. Any NCBI report included herein may not have an accurate date for prior art purposes. Some of the documents may have markings thereon. No significance is meant to be attached to the markings.

Applicants respectfully request that the cited documents be considered by the Examiner and that an initialed copy of the List of References Cited by Applicants be returned to Applicants.

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It is believed that this disclosure complies with 37 CFR §§ 1.56, 1.97 and 1.98 and the Manual of Patent Examining Procedures § 609. If for some reason the Examiner considers otherwise, please telephone the undersigned.

Applicants believe that no fee is due with this paper. However, if the Commissioner determines that a fee is necessary, the Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. 09-0108.

If there are any questions regarding the above, the Examiner is invited to call the undersigned.

Respectfully submitted,

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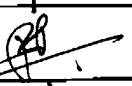
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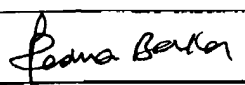
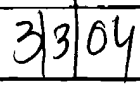
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U.S. Department of Commerce, Patent and Trademark Office	Atty Docket No.	Serial No.
	PF-0544 USN	09/719,601 ✓
LIST OF REFERENCES CITED BY APPLICANTS	Applicant(s)	
(Use several sheets if necessary)	Bandman et al.	
	Filing Date	Group
	February 19, 2002	1645 ✓

U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
PB 1	1	Sperling, P. et al., (Direct Submission). GenBank Sequence Database (Accession X87143), National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland, 20894, (GI 1040728), October 24, 1995						
	2	Sperling, P. et al., "A cytochrome-b ₅ -containing fusion protein similar to plant acyl lipid desaturases," <u>Eur. J. Biochem.</u> , 232:798-805 (1995).						
	3	Sayanova, O. et al., "Expression of a borage desaturase cDNA containing an N-terminal cytochrome b ₅ domain results in the accumulation of high levels of Δ^6 -desaturated fatty acids in transgenic tobacco," <u>Proc. Natl. Acad. Sci. USA</u> , 94:4211-4216 (1997).						
	4	Mitchell, A.G. and C.E. Martin, "Fahlp, a <i>Saccharomyces cerevisiae</i> Cytochrome b ₅ Fusion Protein, and Its <i>Arabidopsis thaliana</i> Homolog That Lacks the Cytochrome b ₅ Domain Both Function in the α -Hydroxylation of Sphingolipid-associated Very Long Chain of Fatty Acids," <u>J. Biol. Chem.</u> , 272(45):28281-28288 (1997).						
	5	Leikin, A. and M. Shinitzky, "Shedding and isolation of the Δ^6 -desaturase system from rat liver microsomes by application of high hydrostatic pressure," <u>Biochim. Biophys. Acta</u> , 1211:150-155 (1994).						
	6	Marzo, I. et al., "Biosynthesis of docosahexaenoic acid in human cells: evidence that two different Δ^6 -desaturase activities may exist," <u>Biochim. Biophys. Acta</u> , 1301:263-272 (1996).						
PB 7	7	Nakada, T. et al., "Membrane fatty acid composition shows Δ^6 -desaturase abnormalities in Alzheimer's disease," <u>NeuroReport</u> , 1:153-155 (1990).						

	8	Ivanetich, K.M. et al., "Δ6-Desaturase: improved methodology and analysis of the kinetics in a multi-enzyme system," <u>Biochim. Biophys. Acta</u> , 1292:120-132 (1996).
	9	Marquardt, A. et al., (Direct Submission), GenBank Sequence Database (Accession AF084559), National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland, 20894, (GI 10798850), October 12, 2000
	10	Cho, H.P. et al., (Direct Submission), GenBank Sequence Database (Accession AF126799, National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland, 20894, (GI 4406527), June 21, 2000
	11	Cho, H.P. et al., "Cloning, expression, and nutritional regulation of the mammalian Δ-6 desaturase," <u>J. Biol. Chem.</u> , 274:471-477 (1999).

Examiner		Date Considered	
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.			